

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103125\
 Data File : VU063663.D
 Acq On : 31 Oct 2025 15:59
 Operator : MD/SY
 Sample : VU1031WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1031WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Nov 03 01:10:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.116	96	1747m	1.000	ug/l	0.04
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.608	95	842m	1.065	ug/l	0.00
Spiked Amount	1.000		Recovery	= 107.000%		
68) 1,2-Dichlorobenzene-d4	12.171	152	1084	1.530	ug/l	0.00
Spiked Amount	1.000		Recovery	= 153.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	38809	59.019	ug/l	98
3) Chloromethane	1.509	50	38084	61.586	ug/l	98
4) Vinyl Chloride	1.589	62	39261	62.436	ug/l	98
5) Bromomethane	1.830	94	25864	68.047	ug/l	94
6) Chloroethane	1.911	64	24072	62.358	ug/l	98
7) Trichlorofluoromethane	2.117	101	57582	62.957	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.554	101	29575	60.802	ug/l	99
9) 1,1-Dichloroethene	2.554	96	29289	62.178	ug/l	99
10) Iodomethane	2.695	142	32927	47.066	ug/l	100
11) Allyl Chloride	2.895	41	44684	60.752	ug/l	98
12) Acrylonitrile	3.287	53	15576	133.680	ug/l	99
13) Acetone	2.605	43	54069	262.732	ug/l	99
14) Carbon Disulfide	2.763	76	80419	60.596	ug/l	97
15) Methylene Chloride	3.014	84	36480	60.253	ug/l	100
16) trans-1,2-Dichloroethene	3.319	96	30663	59.031	ug/l	97
17) 1,1-Dichloroethane	3.834	63	63525	61.746	ug/l	100
18) 2-Butanone	4.689	43	62089	284.416	ug/l	98
19) Cyclohexane	5.345	56	49286	62.688	ug/l	99
20) Methylcyclohexane	6.724	83	61315	62.649	ug/l	98
21) 2,2-Dichloropropane	4.624	77	54318	58.839	ug/l	98
22) cis-1,2-Dichloroethene	4.631	96	35917	60.731	ug/l	98
23) Diethyl Ether	2.358	59	23898	61.918	ug/l	95
24) tert-Butyl Alcohol	3.171	59	31843	478.652	ug/l	98
25) Methyl tert-Butyl Ether	3.342	73	84939	61.538	ug/l	99
26) Bromochloromethane	4.940	128	15146	60.716	ug/l	97
27) Chloroform	5.052	83	65844	62.544	ug/l	99
28) 1,1,1-Trichloroethane	5.277	97	56315	60.657	ug/l	97
29) 1,1-Dichloropropene	5.486	75	48142	61.770	ug/l	99
30) Carbon Tetrachloride	5.483	117	43678	59.436	ug/l	95
31) Isopropyl Ether	3.969	45	102990	63.184	ug/l	97
32) Ethyl-t-butyl ether	4.480	59	98845	62.942	ug/l	99
33) Tert-Amyl methyl ether	5.923	73	85511	62.537	ug/l	99
34) Propionitrile	4.753	54	14173	332.239	ug/l	97
35) Benzene	5.737	78	135179	61.536	ug/l	99
36) 1,2-Dichloroethane	5.763	62	43537	61.721	ug/l #	95
37) Trichloroethene	6.509	130	38717	61.837	ug/l	99
38) 1,2-Dichloropropane	6.763	63	36803	59.863	ug/l	97
39) Methacrylonitrile	4.952	41	12024	56.624	ug/l	98
40) Methyl acrylate	4.827	55	19167	62.159	ug/l #	96
41) Tetrahydrofuran	5.039	42	12795	133.916	ug/l	96
42) 1-Chlorobutane	5.422	56	62255	59.604	ug/l	98
43) Dibromomethane	6.888	93	19805	62.273	ug/l	97
44) Bromodichloromethane	7.078	83	47080	60.538	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.779	43	119297	311.073	ug/l	100
46) t-1,4-Dichloro-2-butene	10.808	75	16357m	122.960	ug/l	
47) Methyl methacrylate	6.946	69	37358	127.669	ug/l	98
48) Ethyl methacrylate	8.316	69	36999	62.170	ug/l	100
49) Toluene	7.943	92	90230	60.903	ug/l	99
50) t-1,3-Dichloropropene	8.187	75	41988	62.121	ug/l	95
51) cis-1,3-Dichloropropene	7.583	75	49962	59.103	ug/l	98
52) 1,1,2-Trichloroethane	8.377	97	28176	65.169	ug/l	96
53) 1,3-Dichloropropane	8.550	76	47346	61.303	ug/l	97
54) 2-Hexanone	8.673	43	89318	275.861	ug/l	99
55) Dibromochloromethane	8.785	129	29664	58.268	ug/l	99
56) 1,2-Dibromoethane	8.898	107	24934	60.604	ug/l	97
58) Tetrachloroethene	8.525	164	36958	60.345	ug/l	98
59) Chlorobenzene	9.422	112	99540	61.956	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.509	131	33192	59.009	ug/l	97
61) Pentachloroethane	11.402	117	23835	61.085	ug/l	97
62) Hexachloroethane	12.451	117	23723	55.465	ug/l	95
63) Ethyl Benzene	9.544	91	176933	60.799	ug/l	97
64) m/p-Xylenes	9.669	106	131337	120.892	ug/l	99
65) o-Xylene	10.074	106	64417	60.510	ug/l	98
66) Styrene	10.091	104	104153	60.308	ug/l	100
67) Bromoform	10.267	173	15245	55.463	ug/l	97
69) Isopropylbenzene	10.460	105	159690	60.739	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.756	83	34037	62.677	ug/l	100
71) 1,2,3-Trichloropropane	10.801	75	27115m	57.387	ug/l	
72) Bromobenzene	10.759	156	38252	60.161	ug/l	100
73) n-propylbenzene	10.881	120	44972	60.199	ug/l	100
74) 2-Chlorotoluene	10.962	126	39569	61.110	ug/l	100
75) 1,3,5-Trimethylbenzene	11.065	105	145004	59.649	ug/l	99
76) 4-Chlorotoluene	11.074	126	39990	61.515	ug/l	99
77) tert-Butylbenzene	11.393	119	144455	60.652	ug/l	99
78) 1,2,4-Trimethylbenzene	11.444	105	139832	59.931	ug/l	99
79) sec-Butylbenzene	11.618	105	186603	59.557	ug/l	100
80) Nitrobenzene	13.190	77	4490m	235.092	ug/l	
81) p-Isopropyltoluene	11.769	119	151425	59.024	ug/l	99
82) 1,3-Dichlorobenzene	11.721	146	75438	61.264	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	74350	60.763	ug/l	99
84) n-Butylbenzene	12.184	91	134970	58.700	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	70687	60.696	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	5094	56.609	ug/l	98
87) 1,2,4-Trichlorobenzene	13.814	180	42918	59.813	ug/l	98
88) Hexachlorobutadiene	13.994	225	25361	59.373	ug/l	96
89) Naphthalene	14.065	128	87986	63.740	ug/l	99
90) 1,2,3-Trichlorobenzene	14.303	180	40447	61.663	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

